

CLAIMS

What is Claimed is:

1. A method of dynamically controlling output voltage slew rate in a power
5 converter, comprising:
 electrically connecting a controller to at least one power converter having
 a plurality of pins, said plurality of pins comprising at least a slew-rate-control pin;
 transmitting a dynamically adjusted slew-rate signal to said slew-rate-
 control pin; and
10 adjusting the output voltage slew rate of said at least one power converter
 in response to said slew-rate signal.
2. The method of Claim 1, wherein said plurality of pins further comprises a
trim pin and said step of transmitting a dynamically adjusted slew-rate signal further
15 comprises transmitting a dynamically adjusted slew-rate signal to an external transistor
electrically connected to said trim pin.
3. The method of Claim 1, wherein said plurality of pins further comprises:
 a trim pin; and
20 a control pin electrically connected to said trim pin via an internal error-
 amplifier circuit, said dynamically adjusted slew-rate signal being transmitted to
 said control pin.
4. The method of Claim 3, wherein said step of transmitting a dynamically
25 adjusted slew-rate signal further comprises transmitting a series of voltages to said
control pin.

5. The method of Claim 3, wherein said step of transmitting a dynamically adjusted slew-rate signal further comprises transmitting a series of currents to said control pin.

5 6. The method of Claim 3, wherein said step of transmitting a dynamically adjusted slew-rate signal further comprises transmitting a series of charges to said control pin.

10 7. The method of Claim 3, wherein said step of transmitting a dynamically adjusted slew-rate signal further comprises transmitting digital signals to a digital potentiometer via said control pin.

15 8. The method of Claim 1, further comprising the step of monitoring the slew rate of an output voltage of said at least one power converter by receiving said output voltage via an output pin •

20 9. The method of Claim 1, wherein said step of adjusting the output voltage slew rate further comprises adjusting said output voltage slew rate in response to the magnitude of said slew-rate signal and the rate at which said slew-rate signal is being dynamically adjusted.